The Global Security Environment

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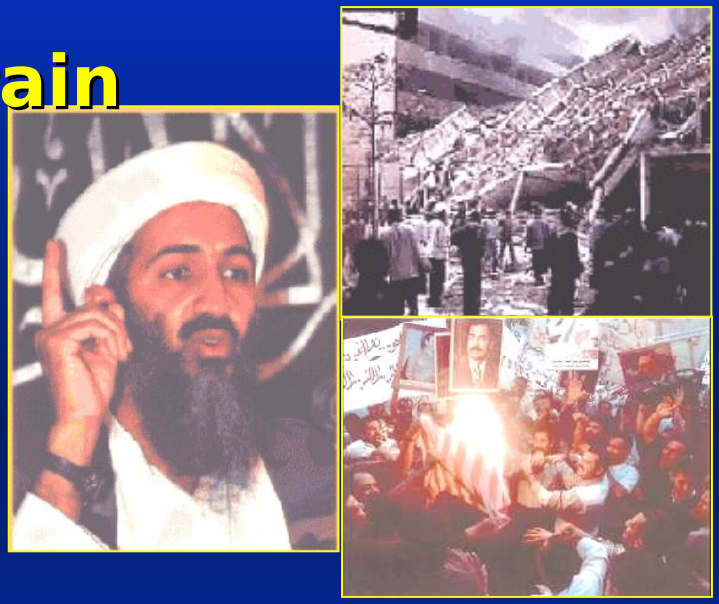
The Emerging Security Environment

- Dynamic, complex, uncertain
- Evolving strategic challenges
- Regional WMD proliferation

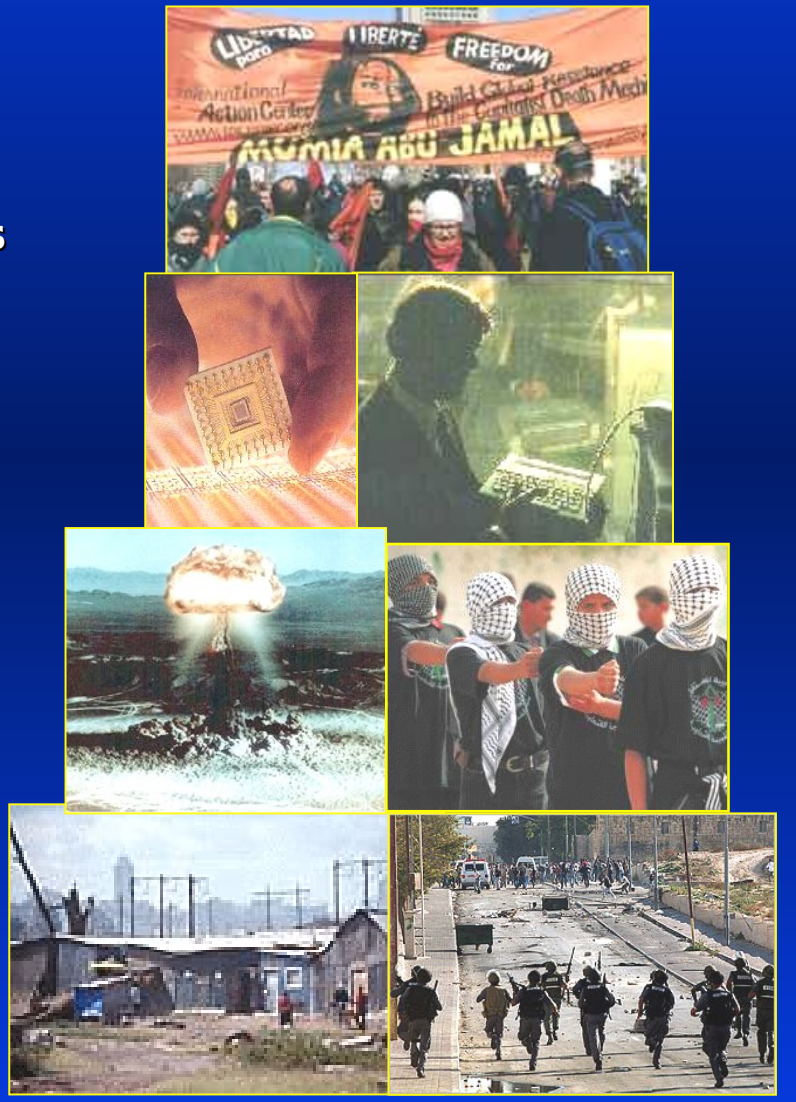


- Large regional militaries
- Non-traditional environments & adversaries

Dangerous Conditions

Accentuating the Negatives

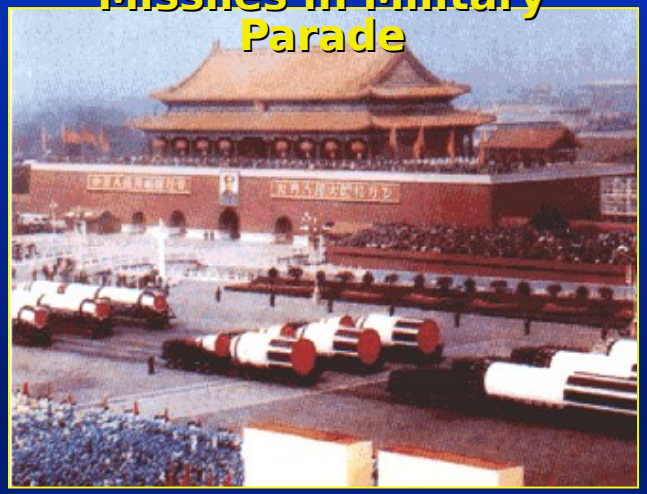
- **Demographic & Economic …** rapid population increases in poorer, urban areas
- **Resources …** local shortages exacerbate tensions … western consumption rates a source of resentment
- **Technology Proliferation …** more, and more exposed tech vulnerabilities … WMD proliferation … massive destructive potential in the hands of individuals and small groups
- **Governance …** 'bad' governments fail to cope … 'widen the gaps'… spawn conflicts … allow lawless safe havens …increase the power of dangerous non-state entities



Evolving Strategic Situation

- 'Rogues' developing or acquiring ICBMs and WMD
- China expands strategic capabilities

Chinese Strategic Missiles in Military Parade



Taepo Dong 1

- Russia retains deterrent … relies more on nukes
- New notion of strategic threat

Russian SS-27

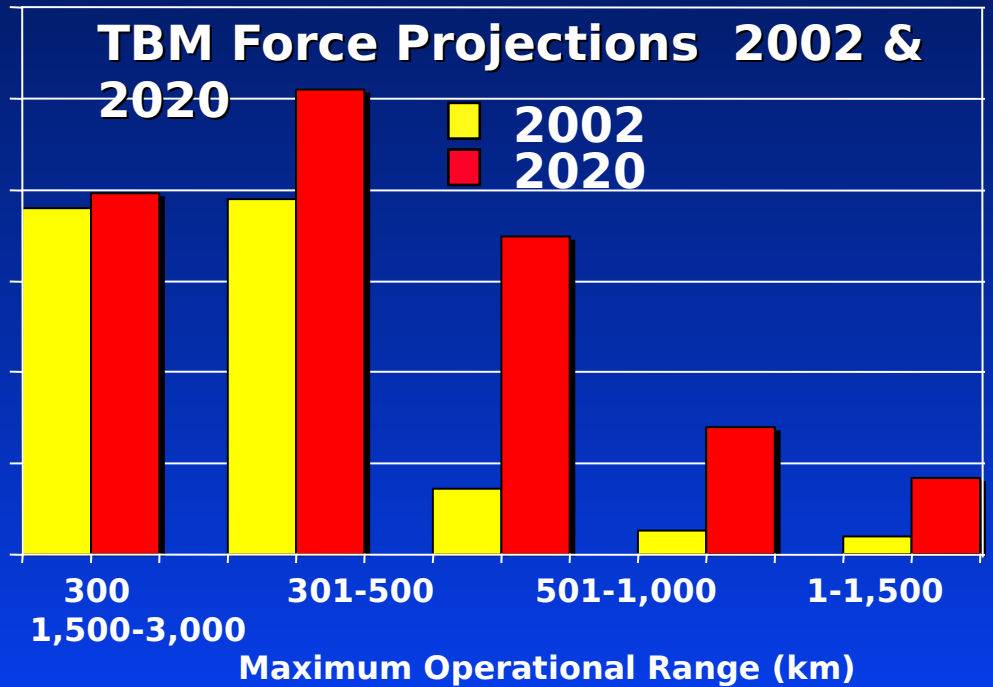
WMD and Missile Proliferation

- Adversaries hoping to deter US
- Some 25 countries in the game … plus Al Qaida and other non-state groups
- More amenable environment
- Russia, China, North Korea of primary concern

- Nuclear
  - Slow increase in number of states
- Chemical & Biological
  - More widely proliferated
  - High probability of use
- Missiles
  - Ballistic and Cruise Missile threats increase significantly

Theater Ballistic Missiles

- Focal point for regional states
- Prestige, deterrence, and com
- Numbers & capabilities expand
- Changes nature of regional wa

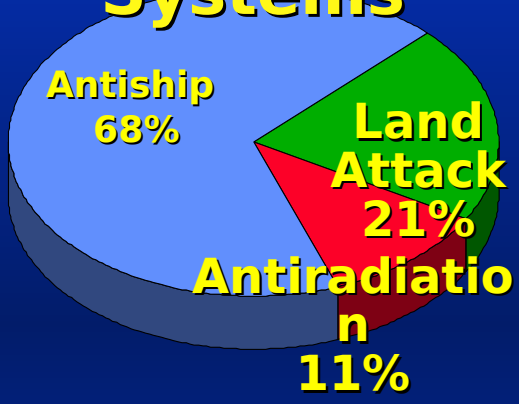


Greatest emerging threat to deployed US/Allied forces

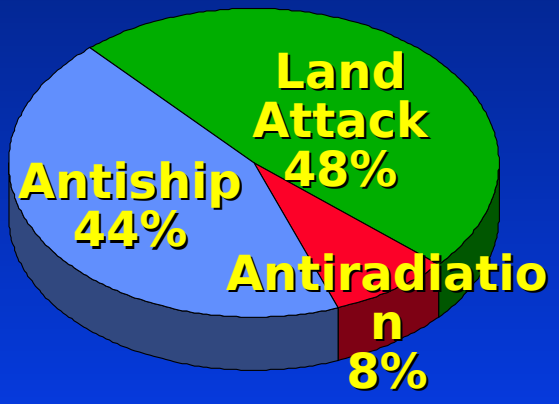
Proliferation of Cruise Missiles

- Technology widely available
- Increasing sophistication
- Anti-ship systems will remain a robust challenge
- Increasing numbers of land attack systems

Current Systems



Systems in Development



Land Attack Inventories

	2002	2020
China	0	100s
Iran	0	10s
Iraq	0	10s
Syria	0	low 10s
Libya	0	low 10s

Large Regional Militaries

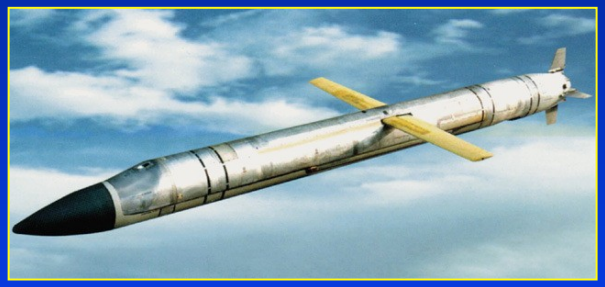
- Can't match US 'Satellite-to-Soldier' system of systems …
- But potent forces by global & regional standards

- Developing 'niche' capabilities to counter US
- WMD & missiles are key factors

Adversary Military Concepts

Coping With US Military Superiority

- **Counter WMD** … exploit public opinion … threaten homelands … WMD in theater … human shields … high tolerance for pain … deploy in complex terrain … avoid decisive engagement
- **Counter access** … foment instability in key states … disrupt mobilization & deployment … attack pre-positioned stocks, bases, facilities … high-and-low tech area denial and interdiction capabilities
- **Counter precision engagement** … multispectral obscurants … radio frequency weapons … ground based lasers … counter LO systems … High Energy Density Munitions … smart sensors … D&D



- **Counter protection** … terrorism … WMD … volumetric & other mass casualty weapons
- **Counter information** … counter-space … D&D … CNA … advanced air defenses

Closing the Space Gap

- International consortia provide space access for all
- Expanding variety of counter-space means
- High-end: ASAT, radio-frequency weapons, lasers
- Low-end: D&D, signal jamming, physical attack

Terrorism

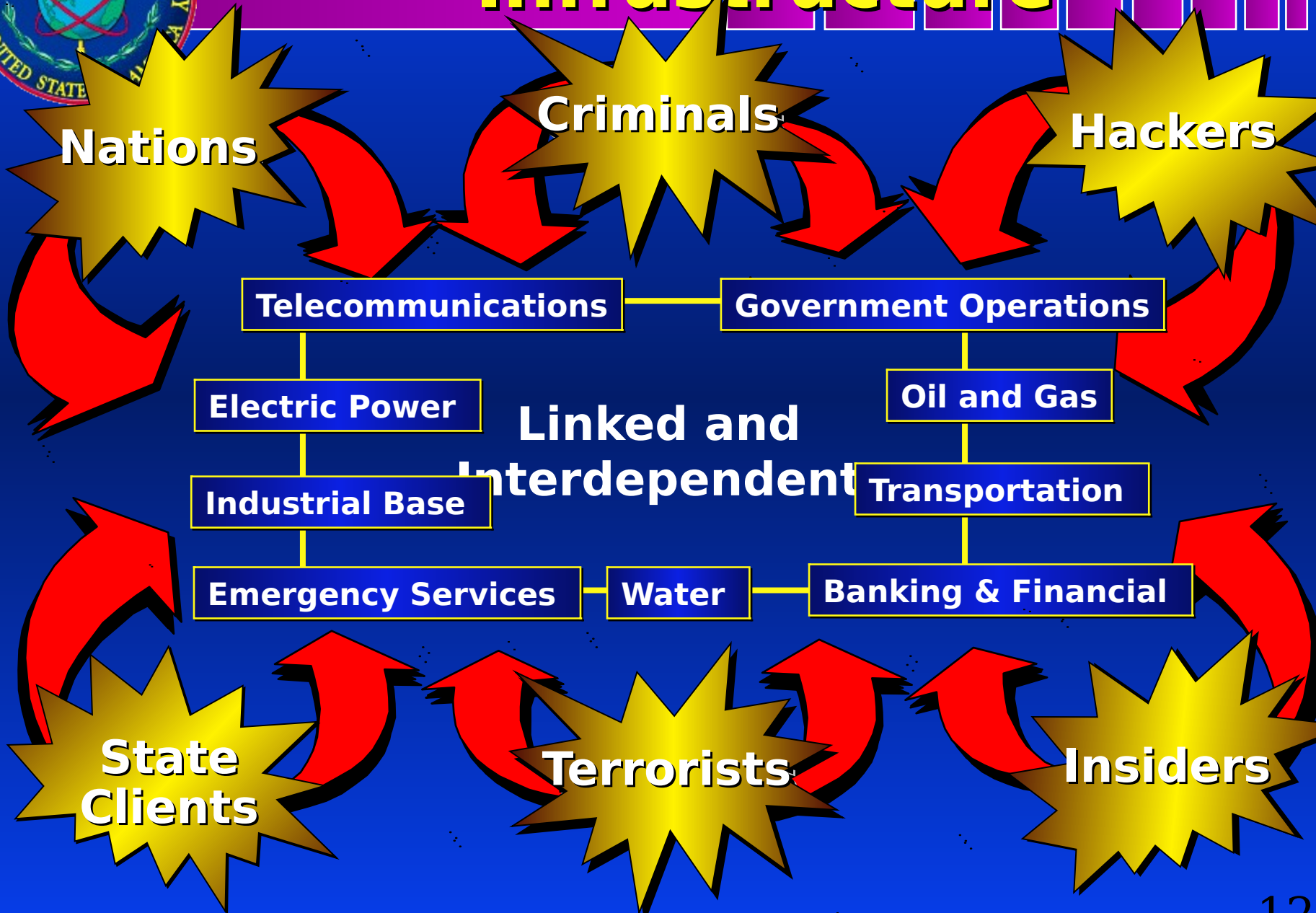
- Root causes remain … threat to US increa

- Middle East-based groups most threatening
- Increased potential for mass casualty attacks
- A very difficult intelligence target

Al Qaida

- Damaged not destroyed
- Plans and operatives in place
- High profile targets in US and abroad
- Seeking mass casualty weapons
- A continuing threat

Threats to Critical Infrastructure



Information Operations

- Growing threat … state and sub-state entities
- Importance recognized
- Variety of attack means
  - Electronic warfare
  - Psychological operations
  - Computer network attack
  - Equipment modification
  - Network penetration
  - Physical attack

Adversaries increasing their capabilities and integrating them into military operations

Closing Thoughts

- Dynamic, complex security environment
- No one wants to fight us on our terms
- Expect adaptive enemies
  - Understand us
  - Employ symmetric and asymmetric approaches
  - Mix old and new concepts & technologies … including WMD
- Asymmetric threat now ‘equal to’ traditional military threats
- Requires new analytic and security paradigms

Questions

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